Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claim 5 is rejected under 35 U.S.C. 103(a) as being unpatentable over Noguchi in view of US Pat No 5,854,749 issued to Kellams et al (hereafter Kellams).

Claim 5:

Noguchi discloses the elements of claim 1 as noted above but does not disclose wherein the data model includes a tuple in a format and order comprising: the first object identifier, the relation identifier, the second object identifier. Kellams discloses that data tuples or records have multiple fields [col 7, lines 20-25]. It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Kellams to include wherein the data model includes a tuple in a format and order comprising: the first object identifier, the relation identifier, the second object identifier based on the disclosure of Kellams for the purpose adopting a primary data structure of the well-known Oracle database [col 7, lines 20-25].

Claim 10 is rejected under 35 U.S.C. 103(a) as being unpatentable over Noguchi in view of Pub No 2005/0091287 issued to Sedlar (hereafter Sedlar).

Claim 10:

Noguchi discloses the elements of claim 1 as noted above but does not disclose wherein the relation identifier identifies a dependency between the first object and the second object. Sedlar discloses wherein the relation identifier identifies a dependency between the first object and the second object [paragraph 209]. It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Noguchi to include wherein the relation identifier identifies a dependency between the first object and the second object as taught by Sedlar for the purpose of providing a means for a user to review the history of a file and the possible revisions that were made over the lifetime of the file.

Contact Information

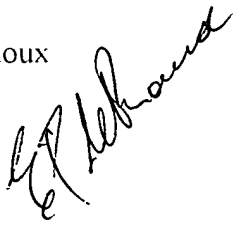
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Etienne P. LeRoux whose telephone number is (571) 272-4022. The examiner can normally be reached Monday through Friday between 8:00 am and 4:30 pm.

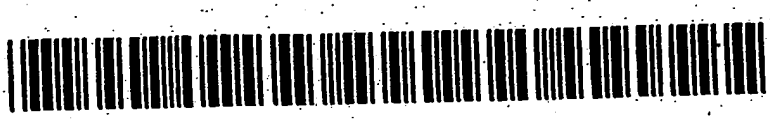
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Safet Metjahic can be reached on (571) 272-4023. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Etienne LeRoux

4/18/2006





A DOCPHOENIX

OUTGOING DOCUMENT INDEX SHEET

OUTGOING

CTMS
Miscellaneous Office Action

IMIS
Miscellaneous Internal Document

NRES
Letter Restarting Period for Response

1449
Signed 1449

892
892

ABN
Abandonment

APDEC
Board of Appeals Decision

APEA
Examiner Answer to Appeal Brief

CRFR
Letter Requiring CRF

CTAV
Count Advisory Action

CTEQ
Count Ex parte Quayle

CTFR
Count Final Rejection

CTNF
Count Non-Final

CTRS
Count Restriction

EXIN
Examiner Interview

FOR
Foreign Reference

M903
DO/EO Acceptance

M905
DO/EO Missing Requirement

OUTGOING

NFDR
Formal Drawing Required

NOA
Notice of Allowance

NPL
Non-Patent Literature

PEFN
Pre-Exam Formalities Notice

PETDEC
Petition Decision

ANE.I
After Final or 312 Amendment

PGEA.G
Petition Decision Express ABN

XRUSH
TC Resp. to Printer Query

PTO INTERNAL

CLMPTO
PTO Prepared Complete Claim Set

IIFW
File Wrapper Issue Information

SRNT
Examiner Search Notes

SRFW
File Wrapper Search Info

SEQREQ
Sequence Problem Att. from Examiner

CDCHECK
Compact Disk Review Checklist

9/15/03

PATENT APPLICATION

Sheet 1 of 1

FORM PTO-1449 LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO. 200300594-1	APPLICATION NO.	CONFIRMATION NO.
	APPLICANT Zhichen Xu et al.		
	FILING DATE Herewith	GROUP	

REFERENCE DESIGNATION **U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	1A				
	1B				
	1C				
	1D				
	1E				
	1F				
	1G				
	1H				
	1I				
	1J				
	1K				

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	1L					
	1M					
	1N					
	1O					
	1P					

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

EleR	1Q	ABITEBOUL, S., "Querying Semi-Structured Data", Database Theory ICDT '97, January 1997.
	1R	BERRY, M. et al., "Matrices, Vector Spaces, and Information Retrieval", SIAM Review, 1999.
	1S	CHAUDHURI, S. et al., "Rethinking Database System Architecture: Towards a Self-tuning RISC-style Database System", The VLDB Journal, pg 1-10, 2000.

EXAMINER	DATE CONSIDERED
E P LeRoux	4/18/2006

Rev 05/03 (PTO1449)

PATENT APPLICATION

Sheet 1 of 1

FORM PTO-1449 LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO. 200300594-1	APPLICATION NO.	CONFIRMATION NO.
	APPLICANT Zhichen Xu et al.		
	FILING DATE Herewith	GROUP	

REFERENCE DESIGNATION **U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	1A				
	1B				
	1C				
	1D				
	1E				
	1F				
	1G				
	1H				
	1I				
	1J				
	1K				

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	1L					
	1M					
	1N					
	1O					
	1P					

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

Elek	1Q	FALOUTSOS, C. et al., "Efficient and Effective Querying by Image Content", Journal of Intelligent Information Systems, July 1994.
	1R	FOOTE, J.,"An Overview of Audio Information Retrieval", Multimedia Systems, December 1997.
	1S	GIFFORD, D. et al., "Semantic File Systems", Proceedings of the 13th ACM Symposium on Operating Systems Principles, 1991.

EXAMINER	E P Kovacs	DATE CONSIDERED	4/18/2006

Rev 05/03 (PTO1449)

PATENT APPLICATION

Sheet 1 of 1

FORM PTO-1449 LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO. 200300594-1	APPLICATION NO.	CONFIRMATION NO.
	APPLICANT Zhichen Xu et al.		
	FILING DATE Herewith	GROUP	

REFERENCE DESIGNATION **U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	1A				
	1B				
	1C				
	1D				
	1E				
	1F				
	1G				
	1H				
	1I				
	1J				
	1K				

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	1L					
	1M					
	1N					
	1O					
	1P					

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

E.Lek	1Q	GOPAL, B. et al., "Integrating Content-Based Access Mechanisms With Hierarchical File Systems", 3rd Symposium on Operating Systems Design and Implementation (OSDI) 1999.
	1R	KEUNNING, G.H. et al., "Automated Hoarding for Mobile Computers",Symposisum on Operating Systems Principles, pgs 264-275, 1997.
	1S	MAHALINGAM, M. et al., "Towards a Semantic, Deep Archival File System", The 9th International Workshop on Future Trends of Distributed Computing Systems, May 2003.

EXAMINER	DATE CONSIDERED
EP LeRoux	4/18/2006

Rev 05/03 (PTO1449)